

AMENDMENTS TO THE CLAIMS:

Claims 1 and 2 (canceled).

Claim 3 (currently amended): A capacitance sensor having specified directionality, said capacitance sensor comprising:  
detection electrodes;  
an insulating material insulating said detection electrodes from each other; and  
a main body containing said detection electrodes and said insulating material and having a detection surface defined by said directionality, said detection surface having unevenness; ~~with a plurality of mutually adjacent protrusions with thickness decreasing in the direction of protrusion.~~

a shield electrode inside said main body, said shield electrode being open toward said detection surface, said detection electrodes being disposed inside said shield electrode; and

a protective cover covering said shield electrode and said detection electrodes, said protective cover having a plurality of mutually adjacent protrusions with thickness decreasing in the direction of protrusion.

Claim 4 (canceled).

Claim 5 (withdrawn): A detector for detecting an object being caught by a door, said detector comprising:

detection electrodes;

an insulating material insulating said detection electrodes from each other;

a main body provided on an open end part of said door, said main body containing said detection electrodes and said insulating material;

a sensor circuit which, together with said sensor main body, forms a capacitance sensor having specified directionality;

wherein said sensor main body includes a detection surface defined by said directionality and a water-repellant finish is provided over at least a portion of said sensor main body including said detection surface.